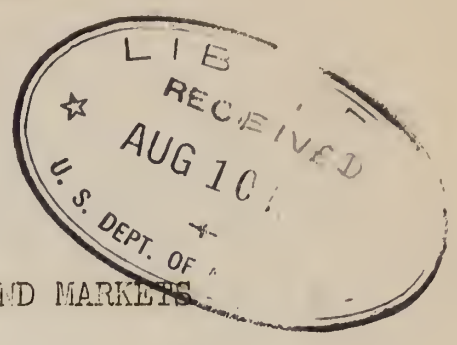


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UNITED STATES DEPARTMENT OF AGRICULTURE
Agricultural Marketing Service



In cooperation with

NEW YORK STATE DEPARTMENT OF AGRICULTURE AND MARKETS

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APPLE MANUFACTURES
THE USE OF APPLES IN CIDER MILLS,
EVAPORATORS AND CANNERIES IN NEW YORK STATE
1937- 40

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APPLE MANUFACTURES, 1937-40

This summary of the quantity of apples received at cider mills, evaporators and canneries from the crops of 1937 to 1940, together with a statement of products manufactured and other pertinent data, indicate the extensive nature of the apple products industry in New York, the wide variation in volume from year to year, and the general range of prices received by producers for apples to be used in fruit products.

Apple juice was listed separately in 1940, for the first time.

The variation in the number of establishments reporting from year to year is characteristic of the industry. In years of light production, many establishments do not open for operations. There is, however, a downward trend in the number of cider mills and evaporators, several establishments, especially outside the more intensive apple regions, going out of business each year because of fires, dismantling or abandonment. Very few are being built. The totals of apples and products are believed comparably complete from year to year.

The cooperation of the owners or operators of the establishments who furnished information concerning their own businesses is acknowledged with appreciation.

(The Bureau of Markets of the Department of Agriculture and Markets gave cooperation in obtaining reports. The compilations were made in the Bureau of Statistics.)

R. L. GILLET, Director of Agricultural
Statistics and Senior
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JUN 6 1944

Table 1. - Apples and apple products in cider mills, evaporators and canneries, New York, 1937-40

Year	Cider mills	Evaporators	Canneries	Total
<u>Establishments in operation, No. 1/</u>				
1937	573	47	27	640
1938	452	29	22	500
1939	504	45	26	573
1940	383	19	27	427

Apples received, net bushels 2/

1937	4,434,300	1,284,800	1,873,100	7,592,200
1938	2,621,800	373,900	866,200	3,861,900
1939	4,772,900	1,207,100	2,381,900	8,361,900
1940	2,309,000	199,400	1,686,600	4,195,000

Quantity of apples (included above) from other States, bushels

1937	9,600	-	1,000	10,600
1938	10,300	-	200	10,500
1939	6,800	-	600	7,400
1940	5,800	-	4,700	10,500

Average price paid for apples, per 100 lbs. 3/

1937	\$.22	\$.33	\$.43	\$.29
1938	.26	.28	.58	.34
1939	.18	.27	.43	.26
1940	.28	.29	.75	.47

Average date operations started and stopped 4/

	<u>Start</u>	<u>Stop</u>	<u>Start</u>	<u>Stop</u>	<u>Start</u>	<u>Stop</u>
1937	Oct.4	Dec.1	Oct.4	Dec.5	Oct.6	Dec.9
1938	Oct.4	Nov.30	Oct.5	Nov.16	Oct.11	Nov.18
1939	Oct.2	Dec.6	Oct.8	Dec.19	Sept.28	Dec. 7
1940	Oct.7	Dec.7	Oct.15	Nov.28	Oct.14	Dec.17

Apples used for principal purposes:

Used for cider, bushels 5/

1937	4,434,300	-	66,700	4,501,000
1938	2,621,800	-	9,000	2,630,800
1939	4,772,900	-	278,900	5,051,800
1940	2,309,000	-	69,100	2,378,100

Used for drying, bushels

1937	-	1,284,800	-	1,284,800
1938	-	373,900	-	373,900
1939	-	1,207,100	-	1,207,100
1940	-	199,400	-	199,400

Used for canned apples and apple sauce, bushels

1937	-	-	1,657,700	1,657,700
1938	-	-	790,100	790,100
1939	-	-	1,987,300	1,987,800
1940	-	-	1,351,500	1,351,500

Table 1. - Apples and apple products in cider mills, evaporators and canneries, New York, 1937-40 - Continued

Year	Cider mills	Evaporators	Canneries	Total
<u>Used for other factory products, bushels 6/</u>				
1937	-	-	148,700	148,700
1938	-	-	67,100	67,100
1939	-	-	115,200	115,200
1940	-	-	266,000	266,000

Principal products made:

<u>Cider pressed, gallons 5/</u>				
1937	18,493,800	-	353,600	18,847,400
1938	10,662,000	-	146,000	10,808,000
1939	19,949,600	-	1,707,000	21,656,600
1940	9,336,400	-	627,600	9,964,000

<u>Apple juice, gallons 5/, 6/</u>				
1940	2,665,300	-	695,000	3,360,300

<u>Dried apples, pounds</u>				
1937	-	7,101,200	-	7,101,200
1938	-	2,147,700	-	2,147,700
1939	-	7,076,700	-	7,076,700
1940	-	869,000	-	869,000

<u>Dried apple chops, pounds</u>				
1937	-	727,000	-	727,000
1938	-	192,300	-	192,300
1939	-	461,700	-	461,700
1940	-	469,400	-	469,400

<u>Dried skins and cores, pomace and waste, pounds</u>				
1937	-	2,426,300	-	2,426,300
1938	-	104,000	-	104,000
1939	-	612,000	-	612,000
1940	-	454,200	-	454,200

<u>Canned apples and apple sauce, quantity of apples used for, bushels</u>				
1937	-	-	1,657,700	1,657,700
1938	-	-	790,100	790,100
1939	-	-	1,987,800	1,987,800
1940	-	-	1,351,500	1,351,500

1/ In a few cases operations of more than one type were carried on in a given establishment. The last column is the net number of establishments reporting, 7 joint operations having been noted in 1937, 3 in 1938, 2 in 1939, 4 in 1940. "Custom" and "commercial" mills are included.

2/ Net receipts. Apples received at canneries and reported transferred to cider mills are included in cider mill receipts and not in cannery receipts. Of these there were reported, in bushels: 1937- 20,100; 1938- 8,100; 1939- 35,600; 1940- 28,700. Part of the apples were reported as bushels and part as pounds. One bushel assumed to equal 48 pounds.

Table 1. - Apples and apple products in cider mills, evaporators and canneries, New York, 1937-40 - Concluded

3/ These prices are the average of "average or prevailing prices" as reported, excluding cases where the special uses called for unusual grades, etc.

4/ Includes averages of usual operations. In a number of cases, intermittent or unusual operations extended into the following spring and are not included here.

5/ Includes cider pressed from apple skins and cores. The quantity of apple used for cider in cider mills includes those used for "apple juice" in those establishments. No separate data were secured prior to 1940 when approximately 2,665,300 gallons of cider were sold as "apple juice", this term being equivalent to "sweet cider" in many cases, and about 29 percent of the total cider pressed in cider mills. In canneries, the "apple juice" first reported in 1940, is not included in cider pressed in those mills. In earlier years, apples used in canneries for "apple juice" were generally reported as used for products other than canned apples, apple sauce and cider.

6/ Including "apple juice" at canning factories, but not in cider mills where apples so used are included with those for cider. Small amounts of loss and shrinkage are included. Among other products in which these apples are used are jelly, apple butter, mincemeat and food for infants.

Table 2. - Apples received at manufacturing plants, by districts,
crops of 1937-40 1/

District	: Cider mills	: Evaporators	: Canneries	: Total
1000 bushels (net)				
Ontario				
1937	2,604	1,167	1,612	5,383
1938	1,305	347	798	2,450
1939	2,912	1,153	2,190	6,255
1940	1,131	166	1,545	2,842
Mid-western				
1937	324	88	200	612
1938	226	21	44	301
1939	392	20	141	553
1940	223	15	77	315
Hudson				
1937	554	-	-	554
1938	390	-	-	390
1939	467	-	-	467
1940	289	-	-	289
Champlain				
1937	14	-	-	14
1938	11	-	-	11
1939	15	-	-	15
1940	14	-	-	14
Other				
1937	938	30	61	1,029
1938	680	6	24	710
1939	987	34	51	1,072
1940	652	18	65	735
State total				
1937	4,434	1,285	1,873	7,592
1938	2,622	374	866	3,862
1939	4,773	1,207	2,382	8,362
1940	2,309	199	1,687	4,195

1/ See footnotes Table 1 for explanations.

The districts here given include counties as follows:

Ontario Dist:- Niagara, Orleans, Monroe, Wayne.

Mid-western Dist:- Erie, Genesee, Wyoming, Livingston, Ontario,
Yates, Seneca, Tompkins.

Hudson Dist:- Columbia, Dutchess, Putnam, Westchester, Greene,
Ulster, Orange, Rockland.

Champlain Dist:- Clinton, Essex.

Other Dist:- All counties not included above.

Table 3. - Cider made, by districts, crops of 1937-40 1/

District	Cider mills	Evaporators	Canneries	Total
<u>1000 gallons</u>				
Ontario				
1937	11,619	-	354	11,973
1938	5,617	-	146	5,763
1939	12,758	-	1,707	14,465
1940	4,885	-	628	5,513
Mid-western				
1937	1,534	-	-	1,534
1938	896	-	-	896
1939	1,674	-	-	1,674
1940	867	-	-	867
Hudson				
1937	1,947	-	-	1,947
1938	1,412	-	-	1,412
1939	1,671	-	-	1,671
1940	1,020	-	-	1,020
Champlain				
1937	49	-	-	49
1938	33	-	-	33
1939	40	-	-	40
1940	46	-	-	46
Other				
1937	3,345	-	-	3,345
1938	2,704	-	-	2,704
1939	3,807	-	-	3,807
1940	2,518	-	-	2,518
State total-1937	18,494	-	354	18,848
1938	10,662	-	146	10,808
1939	19,950	-	1,707	21,657
1940	9,336	-	628	9,964

1/ See footnotes, Tables 1 and 2 for explanations.

Table 4. - "Apple juice", by districts, crop of 1940 1/

District	Cider mills	Canneries	Total
<u>1000 gallons</u>			
Ontario	1,234	695	1,929
Mid-western	289	-	289
Hudson	305	-	305
Champlain	15	-	15
Other	822	-	822
State total	2,665	695	3,360

1/ See footnote, Tables 1 and 2 for explanations.

Table 5. - Prices received for apples at manufacturing plants, by districts, crops of 1937-40 1/

District	Cider mills	Evaporators	Canneries	All
Per 100 pounds				
Ontario				
1937	\$.18	\$.33	\$.41	\$.28
1938	.23	.28	.57	.35
1939	.15	.27	.43	.27
1940	.26	.30	.74	.53
Mid-western				
1937	.24	.26	.52	.33
1938	.27	.25	.67	.33
1939	.19	.20	.46	.26
1940	.26	.25	.77	.39
Hudson				
1937	.25	-	-	.25
1938	.26	-	-	.26
1939	.24	-	-	.24
1940	.34	-	-	.34
Champlain				
1937	.21	-	-	.21
1938	.46	-	-	.46
1939	.19	-	-	.19
1940	.30	-	-	.30
Other				
1937	.29	.40	.52	.31
1938	.33	.20	.80	.34
1939	.25	.18	.55	.26
1940	.33	.25	.94	.36
State average				
1937	.22	.33	.43	.29
1938	.26	.28	.58	.34
1939	.18	.27	.43	.26
1940	.30	.30	.76	.47

1/ See footnotes Tables 1 and 2 for explanations. The prices reported for individual plants were "average or prevailing prices to growers during season."^W The averages given here, by districts, are simple averages of the reports received from the various plants within the districts. The state average and the average for all types of plants are derived from the district prices, weighted by the quantity of apples received in each district and type of plant. Bushel taken as 48 pounds of apples.

Table 6. - Yield of apple products from 100 pounds of fresh apples 1/

Product and district	: 1937	: 1938	: 1939	: 1940
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Cider from 100 pounds of fresh apples, gallons:

Ontario	7.6	7.3	7.2	7.5
Mid-western	7.0	7.1	6.9	7.0
Hudson	6.9	7.1	6.8	6.9
Champlain	6.3	6.5	7.0	7.2
Other	6.6	6.6	6.6	6.6
State average	7.3	7.1	7.0	7.1

Dried apples from 100 pounds of fresh apples, pounds:

State average	12.2	12.6	12.5	11.9
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Canned apples from 100 pounds of fresh apples, dozens No. 10 cans:

State average	.88	.85	.83	.84
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Apple sauce from 100 pounds of fresh apples, cases of 24 No. 2 cans:

State average	2.59	2.61	2.60	2.60
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1/ The quantity of product reported as manufactured from 100 pounds of fresh apples varied rather widely. The above figures are averages of reports as received, except that for cider the state average is derived from the district averages by weighting by the quantity of apples received at cider mills. See footnote, Table 2, for counties included in various districts.